

5' ATG GGA ATG GCC TGC CTT ACG ATG ACA GAA ATG GAG GGA ACA TCC ACC TCT TCT 54  
Met Gly Met Ala Cys Leu Thr Met Thr Glu Met Glu Gly Thr Ser Thr Ser Ser

63 ATA TAT CAG AAT GGT GAT AAT TCT GGA AAT GCC AAT TCT ATG AAG CAA ATA GAT 108  
Ile Tyr Gln Asn Gly Asp Ile Ser Gly Asn Ala Asn Ser Met Lys Gln Ile Asp

117 CCA GTT CTT CAG GTG TAT CTT TAC CAT TCC CTT GGG AAA TCT GAG GCA GAT TAT 162  
Pro Val Leu Gln Val Tyr Leu Tyr His Ser Leu Gly Lys Ser Glu Ala Asp Tyr

171 CTG ACC TTT CCA TCT GGG GAG TAT GTT GGA GAA GAA ATC TGT ATT GCT GCT TCT 216  
Leu Thr Phe Pro Ser Gly Glu Tyr Tyr Val Gly Glu Glu Ile Cys Ile Ala Ala Ser

225 AAA GCT TGT GGT ATC ACA CCT GTG TAT CAT AAT ATG TTT GCT TTA ATG AGT GAA 270  
Lys Ala Cys Gly Ile Thr Pro Val Tyr His Asn Met Phe Ala Leu Met Ser Glu

279 ACA GAA AGG ATC TGG TAT CCA CCC AAC CAT GTC TTT CAT ATA GAT GAG TCA ACC 324  
Thr Glu Arg Ile Trp Tyr Pro Pro Asn His Val Phe His Ile Asp Glu Ser Thr

333 AGG CAT AAT GTA CTC TAC AGA ATA AGA TTT TAC TTT CCT CGT TGG TAT TGC AGT 378  
Arg His Asn Val Leu Tyr Arg Ile Arg Phe Tyr Phe Pro Arg Trp Tyr Cys Ser

387 GGC AGC AAC AGA GCC TAT CGG CAT GGA ATA TCT CGA GGT GCT GAA GCT CCT CTT 432  
Gly Ser Asn Arg Ala Tyr Arg His Gly Ile Ser Arg Gly Ala Glu Ala Pro Leu

441 CTT GAT GAC TTT GTC ATG TCT TAC CTC TTT GCT CAG TGG CGG CAT GAT TTT GTG 486  
Leu Asp Asp Phe Val Met Ser Tyr Leu Phe Ala Gln Trp Arg His Asp Phe Val

FIGURE 1A

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

495	CAT GGA TGG ATA AAA GTA CCT GTG ACT CAT GAA ACA CAG GAA GAA TGT CTT GGG	531	540
	His Gly Trp Ile Lys Val Pro Val Thr His Glu Thr Gln Glu Cys Leu Gly		
549	ATG ACA GTG TTA GAT ATG ATG AGA ATA GCC AAA GAA AAC GAT CAA ACC CCA CTG	585	594
	Met Thr Val Leu Asp Met Met Arg Ile Ala Lys Glu Asn Asp Gln Thr Pro Leu		
603	GCC ATC TAT AAC TCT ATC AGC TAC AAG ACA TTC TTA CCA CAA TGT ATT CGA GCA	639	648
	Ala Ile Tyr Asn Ser Ile Ser Tyr Lys Thr Phe Leu Pro Gln Cys Ile Arg Ala		
657	AAG ATC CAA GAC TAT CAT ATT TTG ACA AGG AAG CGA ATA AGG TAC AGA TTT CGC	693	702
	Lys Ile Gln Asp Tyr His Ile Leu Thr Arg Lys Arg Ile Arg Tyr Arg Phe Arg		
711	AGA TTT ATT CAG CAA TTC AGC CAA TGC AAA GCC ACT GCC AGA AAC TTG AAA CTT	747	756
	Arg Phe Ile Gln Gln Phe Ser Gln Cys Lys Ala Thr Ala Arg Asn Leu Lys Leu		
765	AAG TAT CTT ATA AAT CTG GAA ACT CTG CAG TCT GCC TTT TAC ACA GAG AAA TTT	801	810
	Lys Tyr Leu Ile Asn Leu Glu Thr Leu Gln Ser Ala Phe Tyr Thr Glu Lys Phe		
819	GAA GTA AAA GAA CCT GGA AGT GGT CCT TCA GGT GAG GAG ATT TTT GCA ACC ATT	855	864
	Glu Val Lys Lys Glu Pro Gly Ser Gly Pro Ser Gly Glu Glu Ile Phe Ala Thr Ile		
873	ATA ATA ACT GGA AAC GGT GGA ATT CAG TGG TCA AGA GGG AAA CAT AAA GAA AGT	909	918
	Ile Ile Thr Gly Asn Gly Gly Ile Gln Trp Ser Arg Gly Lys His Lys Glu Ser		
927	GAG ACA CTG ACA GAA CAG GAT TTA CAG TTA TAT TGC GAT TTT CCT AAT ATT ATT	963	972
	Glu Thr Leu Thr Glu Gln Asp Leu Gln Leu Tyr Cys Asp Phe Pro Asn Ile Ile		

FIGURE 1B

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

981	GAT GTC AGT ATT AAG CAA GCA AAC CAA GAG GGT TCA AAT GAA AGC CGA GTT GTA	1008	1017	1026
	Asp Val Ser Ile Lys Gln Ala Asn Gln Glu Gly Ser Asn Glu Ser Arg Val Val			
1035	ACT ATC CAT AAG CAA GAT GGT AAA AAT CTG GAA ATT GAA CTT AGC TCA TTA AGG	1062	1071	1080
	Thr Ile His Lys Lys Gln Asp Gly Lys Asn Leu Glu Ile Glu Leu Ser Ser Leu Arg			
1089	GAA GCT TTG TCT TTC GTG TCA TTA ATT GAT GGA TAT TAT AGA TTA ACT GCA GAT	1116	1125	1134
	Glu Ala Leu Ser Phe Val Ser Leu Ile Asp Gly Tyr Arg Leu Thr Ala Asp			
1143	GCA CAT CAT TAC CTC TGT AAA GAA GTA GCA CCT CCA GCC GTG CTT GAA AAT ATA	1170	1179	1188
	Ala His His Tyr Leu Cys Lys Glu Val Ala Pro Pro Ala Val Leu Glu Asn Ile			
1197	CAA AGC AAC TGT CAT GGC CCA ATT TCG ATG GAT TTT GCC ATT AGT AAA CTG AAG	1224	1233	1242
	Gln Ser Asn Cys His Gly Pro Ile Ser Met Asp Phe Ala Ile Ser Lys Leu Lys			
1251	AAA GCA GGT AAT CAG ACT GGA CTG TAT GTA CTT CGA TGC AGT CCT AAG GAC TTT	1269	1278	1296
	Lys Ala Gly Asn Gln Thr Gly Leu Tyr Val Leu Arg Cys Ser Pro Lys Asp Phe			
1305	AAT AAA TAT TTT TTG ACT TTT GCT GTC GAG CGA GAA AAT GTC ATT GAA TAT AAA	1323	1332	1350
	Asn Lys Tyr Phe Leu Thr Phe Ala Val Glu Arg Glu Asn Val Ile Glu Tyr Lys			
1359	CAC TGT TTG ATT ACA AAA AAT GAG AAT GAA GAG TAC AAC CTC AGT GGG ACA AAG	1377	1386	1404
	His Cys Leu Ile Thr Lys Asn Glu Glu Tyr Asn Leu Ser Gly Thr Lys			

FIGURE 1C

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

1413	1422	1431	1440	1449	1458
AAG AAC TTC	AGC AGT CTT	AAA GAT CTT	TTG AAT TGT	TAC CAG ATG	GAA ACT GTT
Lys Asn Phe	Ser Ser Leu	Lys Asp Leu	Leu Leu Cys	Tyr Gln Met	Glu Thr Val
1467	1476	1485	1494	1503	1512
CGC TCA GAC	AAT ATA ATT	TTC CAG TTT	ACT AAA TGC	TGT CCC CCA	AAG CCA AAA
Arg Ser Asp	Asn Ile Ile	Phe Gln Phe	Thr Lys Cys	Cys Pro Pro	Lys Pro Lys
1521	1530	1539	1548	1557	1566
GAT AAA TCA	AAC CTT CTA	GTC TTC AGA	ACG AAT GGT	GTT TCT GAT	GTA CCA ACC
Asp Lys Ser	Asn Leu Leu	Val Phe Arg	Thr Asn Gly	Val Ser Asp	Val Pro Thr
1575	1584	1593	1602	1611	1620
TCA CCA ACA	TTA CAG AGG	CCT ACT CAT	ATG AAC CAA	ATG GTG TTT	CAC AAA ATC
Ser Pro Thr	Leu Gln Arg	Pro Thr His	Met Asn Gln	Met Val Phe	His Lys Ile
1629	1638	1647	1656	1665	1674
AGA AAT GAA	GAT TTG ATA	TTT AAT GAA	AGC AGC CTT	GGC CAA GGC	ACT TTT ACA
Arg Asn Glu	Asp Leu Ile	Phe Asn Glu	Ser Leu Gly	Gln Gly Thr	Phe Thr Lys
1683	1692	1701	1710	1719	1728
ATT TTT AAA	GGC GTA CGA	AGA GAA GTA	GGA GAC TAC	GGT CAA CTG	CAT GAA ACA
Ile Phe Lys	Gly Val Arg	Arg Glu Val	Gly Asp Tyr	Gln Leu His	Glu Thr
1737	1746	1755	1764	1773	1782
GAA GTT CTT	TTA AAA GTT	CTG GAT AAA	GCA CAC AGG	AAC TAT TCA	GAG TCT TTC
Glu Val Leu	Leu Lys Val	Leu Asp Lys	Ala His Arg	Asn Tyr Ser	Glu Ser Phe
1791	1800	1809	1818	1827	1836
TTT GAA GCA	GCA AGT ATG	ATG AGC AAG	CTT TCT CAC	AAG CAT TTG	GTT TTA AAT
Phe Glu Ala	Ala Ser Met	Met Ser Lys	Leu Ser His	Lys His Leu	Val Leu Asn
1845	1854	1863	1872	1881	1890
TAT GGA GTA	TGT GTC TGT	GGA GAC GAG	AAT ATT CTG	GTT CAG GAG	TTT GTA AAA
Tyr Gly Val	Cys Val Cys	Gly Asp Glu	Asn Ile Leu	Val Gln Glu	Phe Val Lys

FIGURE 1D

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

1899	1908	1917	1926	1935	1944
TTT GGA TCA CTA GAT ACA TAT CTG AAA AAG AAT AAA AAT TGT ATA AAT ATA TTA					
Phe Gly Ser Leu Asp Thr Tyr Leu Lys Lys Asn Lys Asn Cys Ile Asn Ile Leu					
1953	1962	1971	1980	1989	1998
TGG AAA CTT GAA GTT GCT AAA CAG TTG GCA TGG GCC ATG CAT TTT CTA GAA GAA					
Trp Lys Leu Glu Val Ala Lys Gln Leu Ala Trp Ala Met His Phe Leu Glu Glu					
2007	2016	2025	2034	2043	2052
AAC ACC CTT ATT CAT GGG AAT GTA TGT GCC AAA AAT ATT CTG CTT ATC AGA GAA					
Asn Thr Leu Ile His Gly Asn Val Cys Ala Lys Asn Ile Leu Leu Ile Arg Glu					
2061	2070	2079	2088	2097	2106
GAA GAC AGG AAG ACA GGA AAT CCT CCT TTC ATC AAA CTT AGT GAT CCT GGC ATT					
Glu Asp Arg Lys Thr Gly Asn Pro Phe Ile Lys Leu Ser Asp Pro Gly Ile					
2115	2124	2133	2142	2151	2160
AGT ATT ACA GTT TTG CCA AAG GAC ATT CTT CAG GAG AGA ATA CCA TGG GTA CCA					
Ser Ile Thr Val Leu Pro Lys Asp Ile Leu Gln Glu Arg Ile Pro Trp Val Pro					
2169	2178	2187	2196	2205	2214
CCT GAA TGC ATT GAA AAT CCT AAA AAT TTA AAT TTG GCA ACA GAC AAA TGG AGT					
Pro Glu Cys Ile Glu Asn Pro Lys Asn Leu Asn Leu Ala Thr Asp Lys Trp Ser					
2223	2232	2241	2250	2259	2268
TTT GGT ACC ACT TTG TGG GAA ATC TGC AGT GGA GGA GAT AAA CCT CTA AGT GCT					
Phe Gly Thr Thr Leu Trp Glu Ile Cys Ser Gly Gly Asp Lys Pro Leu Ser Ala					
2277	2286	2295	2304	2313	2322
CTG GAT TCT CAA AGA AAG CTA CAA TTT TAT GAA GAT AGG CAT CAG CTT CCT GCA					
Leu Asp Ser Ser Gln Arg Lys Leu Gln Phe Tyr Glu Asp Arg His Gln Leu Pro Ala					
2331	2340	2349	2358	2367	2376
CCA AAG TGG GCA TTA GCA AAC CTT ATA AAT AAT TGT ATG GAT TAT GAA CCA					
Pro Lys Trp Ala Glu Leu Ala Asn Leu Ile Asn Asn Cys Met Asp Tyr Glu Pro					

FIGURE 1E

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

2385	2394	2403	2412	2421	2430
GAT TTC AGG CCT TCT TTC AGA GCC ATC ATA CGA GAT CTT AAC AGT TTG TTT ACT	Asp Phe Arg Pro Ser Phe Arg Ala Ile Ile Arg Asp Leu Asn Ser Leu Phe Thr				
2439	2448	2457	2466	2475	2484
CCA GAT TAT GAA CTA TTA ACA GAA AAT GAC ATG TTA CCA AAT ATG AGG ATA GGT	Pro Asp Tyr Glu Leu Leu Thr Glu Asn Asp Met Leu Pro Asn Met Arg Ile Gly				
2493	2502	2511	2520	2529	2538
GCC TTG GGG TTT TCT GGT GCC TTT GAA GAC CGG GAT CCT ACA CAG TTT GAA GAG	Ala Leu Gly Phe Ser Gly Ala Phe Glu Asp Arg Asp Pro Thr Gln Phe Glu Glu				
2547	2556	2565	2574	2583	2592
AGA CAT TTG AAA TTT CTA CAG CAA CTT GGC AAG GGT AAT TTT GGG AGT GTG GAG	Arg His Leu Lys Phe Leu Leu Gln Gln Leu Gly Lys Gly Asn Phe Gly Ser Val Glu				
2601	2610	2619	2628	2637	2646
ATG TGC CGG TAT GAC CCT CTA CAG GAC AAC ACT GGG GAG GTG GTC GCT GTA AAA	Met Cys Arg Tyr Asp Pro Leu Gln Asp Asn Thr Gly Glu Val Val Ala Val Lys				
2655	2664	2673	2682	2691	2700
AAG CTT CAG CAT AGT ACT GAA GAG CAC CTA AGA GAC TTT GAA AGG GAA ATT GAA	Lys Leu Gln Gln His Ser Thr Glu Glu His Leu Arg Asp Phe Glu Arg Glu Ile Glu				
2709	2718	2727	2736	2745	2754
ATC CTG AAA TCC CTA CAG CAT GAC AAC ATT GTA AAG TAC AAG GGA GTG TGC TAC	Ile Leu Lys Ser Leu Gln His Asp Asn Ile Val Lys Tyr Lys Gly Val Cys Tyr				
2763	2772	2781	2790	2799	2808
AGT GCT GGT CGG CGT AAT CTA AAA TTA ATT ATG GAA TAT TTA CCA TAT GGA AGT	Ser Ala Gly Arg Arg Asn Leu Lys Leu Ile Met Glu Tyr Leu Pro Tyr Gly Ser				
2817	2826	2835	2844	2853	2862
TTA CGA GAC TAT CTT CAA AAA CAT AAA GAA CGG ATA GAT CAC ATA AAA CTT CTG	Leu Arg Asp Tyr Leu Gln Lys His Lys Glu Arg Ile Asp His Ile Lys Leu Leu				

FIGURE 1F

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

2871	2880	2889	2898	2907	2916
CAG TAC ACA TCT CAG ATA TGC AAG GGT ATG GAG TAT CTT GGT ACA AAA AGG TAT					
Gln Tyr Thr Ser Gln Ile Cys Lys Gly Met Glu Tyr Leu Gly Thr Lys Arg Tyr					
2925	2934	2943	2952	2961	2970
ATC CAC AGG GAT CTG GCA ACG AGA AAT ATA TTG GTG GAG AAC GAG AAC AGA GTT					
Ile His Arg Asp Leu Ala Thr Arg Asn Ile Leu Val Glu Asn Glu Asn Arg Val					
2979	2988	2997	3006	3015	3024
AAA ATT GGR GAT TTT GGG TTA ACC AAA GTC TTG CCA CAA GAC AAA GAA TAC TAT					
Lys Ile Gly Asp Phe Gly Leu Thr Lys Val Leu Pro Gln Asp Lys Glu Tyr Tyr					
3033	3042	3051	3060	3069	3078
AAA GTA AAA GAA CCT GGT GAA AGT CCC ATA TTC TGG TAT GCT CCA GAA TCA CTG					
Lys Val Lys Glu Pro Gly Glu Ser Pro Ile Phe Trp Tyr Ala Pro Glu Ser Leu					
3087	3096	3105	3114	3123	3132
ACA GAG AGC AAG TTT TCT GTG GCC TCA GAT GTT TGG AGC TTT GGA GTG GTT CTG					
Thr Glu Ser Lys Phe Ser Val Ala Ser Asp Val Trp Ser Phe Gly Val Val Leu					
3141	3150	3159	3168	3177	3186
TAT GAA CTT TTC ACA TAC ATT GAG AAG AGT AAA AGT CCA CCA GCG GAA TTT ATG					
Tyr Glu Leu Phe Thr Tyr Ile Glu Lys Ser Lys Ser Pro Pro Ala Glu Phe Met					
3195	3204	3213	3222	3231	3240
CGT ATG ATT GGC AAT GAC AAA CAA GGA CAG ATG ATC GTG TTC CAT TTG ATA GAA					
Arg Met Ile Gly Asn Asp Lys Gln Gly Gln Met Ile Val Phe His Leu Ile Glu					
3249	3258	3267	3276	3285	3294
CTT TTG AAG AAT AAT GGA AGA TTA CCA AGA CCA GAT GGA TGC CCA GAT GAG ATC					
Leu Leu Lys Asn Asn Gly Arg Leu Pro Arg Pro Asp Gly Cys Pro Asp Glu Ile					
3303	3312	3321	3330	3339	3348
TAT ATG ATC ATG ACA GAA TGC TGG AAC AAT AAT GTA AAT CAA CGC CCC TCC TTT					
Tyr Met Ile Met Thr Glu Cys Trp Asn Asn Asn Val Asn Gln Arg Pro Ser Phe					

FIGURE 1G

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

3357 3366 3375 3384 3393  
 AGG GAT CTA GCT CTT CGA GTG GAT CAA ATA AGG GAT AAC ATG GCT GGA TGA 3'  
 Arg Asp Leu Ala Leu Arg Val Asp Gln Ile Arg Asp Asn Met Ala Gly \*\*\*

FIGURE 1H



1	M	G	M	A	C	L	T	M	T	E	M	E	G	T	S	T	S	S	I	Y	Q	N	G	D	I	S	G	N	A	N	179527
1	M	G	M	A	C	L	T	M	T	E	M	E	A	T	S	T	S	P	V	H	Q	N	G	D	I	P	G	S	A	N	GI 409584
31	S	M	K	Q	I	D	P	V	L	Q	V	Y	L	Y	H	S	L	G	K	S	E	A	D	Y	L	T	F	P	S	G	179527
31	S	V	K	Q	I	E	P	V	L	Q	V	Y	L	Y	H	S	L	G	Q	A	E	G	E	Y	L	K	F	P	S	G	GI 409584
61	E	Y	V	G	E	E	I	C	I	A	A	S	K	A	C	G	I	T	P	V	Y	H	N	M	F	A	L	M	S	E	179527
61	E	Y	V	A	E	E	I	C	V	A	A	S	K	A	C	G	I	T	P	V	Y	H	N	M	F	A	L	M	S	E	GI 409584
91	T	E	R	I	W	Y	P	P	N	H	V	F	H	I	D	E	S	T	R	H	N	V	L	Y	R	I	R	F	Y	F	179527
91	T	E	R	I	W	Y	P	P	N	H	V	F	H	I	D	E	S	T	R	H	D	I	L	Y	R	I	R	F	Y	F	GI 409584
121	P	R	W	Y	C	S	G	S	N	R	A	Y	R	H	G	I	S	R	G	A	E	A	P	L	L	D	D	F	V	M	179527
121	P	H	W	Y	C	S	G	S	S	R	T	Y	R	Y	G	V	S	R	G	A	E	A	P	L	L	D	D	F	V	M	GI 409584
151	S	Y	L	F	A	Q	W	R	H	D	F	V	H	G	W	I	K	V	P	V	T	H	E	T	Q	E	E	C	L	G	179527
151	S	Y	L	F	V	Q	W	R	H	D	F	V	H	G	W	I	K	V	P	V	T	H	E	T	Q	E	E	C	L	G	GI 409584
181	M	T	V	L	D	M	M	R	I	A	K	E	N	D	Q	T	P	L	A	I	Y	N	S	I	S	Y	K	T	F	L	179527
181	M	A	V	L	D	M	M	R	I	A	K	E	K	D	Q	T	P	L	A	V	Y	N	S	V	S	Y	K	T	F	L	GI 409584
211	P	Q	C	I	R	A	K	I	Q	D	Y	H	I	L	T	R	K	R	I	R	Y	R	F	R	R	F	I	Q	Q	F	179527
211	P	K	C	V	R	A	K	I	Q	D	Y	H	I	L	T	R	K	R	I	R	Y	R	F	R	R	F	I	Q	Q	F	GI 409584

FIGURE 2A

241	SQCKATARNLKLKYLINLETLQSAFYTEKF	179527
241	SQCKATARNLKLKYLINLETLQSAFYTEQF	GI 409584
271	EVKEPGSGPSEEEIFATIIITGNGGIQWSR	179527
271	EVKESARCGPSEEEIFATIIITGNGGIQWSR	GI 409584
301	GKHKESETLTEQDLQLYCDFPNIIDVSIKQ	179527
301	GKHKESETLTEQDVQLYCDFPDIIDVSIKQ	GI 409584
331	ANQEGSNESRVVTIHKQDGNLEIELSSLR	179527
331	ANQEC SNESRIVTVHKQDGKVL EIELSSLK	GI 409584
361	EALSFVSLIDGY YRLTADAHHYLCKEVAPP	179527
361	EALSFVSLIDGY YRLTADAHHYLCKEVAPP	GI 409584
391	AVLENIQSNC HGPISMDFAISK LKKA GNQT	179527
391	AVLENIH SNCHGPISMDFAISK LKKA GNQT	GI 409584
421	GLYVLRCS PKDFN KYFLTF AVEREN VIEYK	179527
421	GLYVLRCS PKDFN KYFLTF AVEREN VIEYK	GI 409584
451	HCLITKNENEEYNLSGTTKKNFSS LKDL LNC	179527
451	HCLITKNENGEYNLSGTTNRNF SN LKDL LNC	GI 409584

FIGURE 2B

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

481	Y Q M E T V R S D N I I F Q F T K C C P P K P K D K S N L L	179527
481	Y Q M E T V R S D S I I F Q F T K C C P P K P K D K S N L L	GI 409584
511	V F R T N G V S D V P T S P T L Q R P T H M N Q M V F H K I	179527
511	V F R T N G I S D V Q I S P T L Q R H N N V N Q M V F H K I	GI 409584
541	R N E D L I F N E S L G Q G T F T K I F K G V R R E V G D Y	179527
541	R N E D L I F N E S L G Q G T F T K I F K G V R R E V G D Y	GI 409584
571	G Q L H E T E V L L K V L D K A H R N Y S E S F F E A A S M	179527
571	G Q L H K T E V L L K V L D K A H R N Y S E S F F E A A S M	GI 409584
601	M S K L S H K H L V L N Y G V C V C G D E N I L V Q E F V K	179527
601	M S Q L S H K H L V L N Y G V C V C G E E N I L V Q E F V K	GI 409584
631	F G S L D T Y L K K N K N C I N I L W K L E V A K Q L A W A	179527
631	F G S L D T Y L K K N K N S I N I L W K L G V A K Q L A W A	GI 409584
661	M H F L E E N T L I H G N V C A K N I L L I R E E D R K T G	179527
661	M H F L E E K S L I H G N V C A K N I L L I R E E D R R T G	GI 409584
691	N P P F I K L S D P G I S I T V L P K D I L Q E R I P W V P	179527
691	N P P F I K L S D P G I S I T V L P K D I L Q E R I P W V P	GI 409584

FIGURE 2C

721	P E C I E N P K N L N L A T D K W S F G T T L W E I C S G G	179527
721	P E C I E N P K N L N L A T D K W S F G T T L W E I C S G G	GI 409584
751	D K P L S A L D S Q R K L Q F Y E D R H Q L P A P K W A E L	179527
751	D K P L S A L D S Q R K L Q F Y E D K H Q L P A P K W T E L	GI 409584
781	A N L I N N C M D Y E P D F R P S F R A I I R D L N S L F T	179527
781	A N L I N N C M D Y E P D F R P A F R A V I R D L N S L F T	GI 409584
811	P D Y E L L T E N D M L P N M R I G A L G F S G A F E D R D	179527
811	P D Y E L L T E N D M L P N M R I G A L G F S G A F E D R D	GI 409584
841	P T Q F E E R H L K F L Q Q L G K G N F G S V E M C R Y D P	179527
841	P T Q F E E R H L K F L Q Q L G K G N F G S V E M C R Y D P	GI 409584
871	L Q D N T G E V V A V K K L Q H S T E E H L R D F F E R E I E	179527
871	L Q D N T G E V V A V K K L Q H S T E E H L R D F F E R E I E	GI 409584
901	I L K S L Q H D N I V K Y K G V C Y S A G R R N L K L I M E	179527
901	I L K S L Q H D N I V K Y K G V C Y S A G R R N L R L I M E	GI 409584
931	Y L P Y G S L R D Y L Q K H K E R I D H I K L L Q Y T S Q I	179527
931	Y L P Y G S L R D Y L Q K H K E R I D H K K L L Q Y T S Q I	GI 409584

FIGURE 2D

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

961 CKGMEYLGTKRYIHRDLATRNILVENE RV 179527  
 961 CKGMEYLGTKRYIHRDLATRNILVENE RV GI 409584

991 KIGDFGLTKVLPQDKKEYYKVKEPGESPIFW 179527  
 991 KIGDFGLTKVLPQDKKEYYKVKEPGESPIFW GI 409584

1021 YAPESLTESKFSVASDVWSFGV VLYELFTY 179527  
 1021 YAPQSLTESKFSVASDVWSFGV VLYELFTY GI 409584

1051 IEKSKSPPAEFMRMIGNDKQGGQMIVFHLLIE 179527  
 1051 IEKSKSPPVEFMRMIGNDKQGGQMIVFHLLIE GI 409584

1081 LLKNNGRLLPRPDGCPDEIYMIMTECWN NN V 179527  
 1081 LLKSNGRLLPRPEGCPDEIYVIMTECWN NN V GI 409584

1111 NQRPSFRDLALRV DQIRDN MAG 179527  
 1111 SQRPSFRDL S F - - G W I K C G - T V GI 409584

FIGURE 2E